

United States Of America
Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number SE10926SC

This Certificate issued to

BAR AIR, LLC
11485 Big Creek Shaft Road
Groveland, California 95321

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 33 of the Federal Aviation Regulations.

Original Product Type Certificate Number: E3SO

Make: Teledyne Continental Motors

Model: IO-550-N

Description of Type Design Change: Installation of BAR Air, LLC supercharger system on Teledyne Continental Motors IO-550-N Engines in accordance with Master Drawing List MDL-SR22-1-E, Revision A, dated April 4, 2008, or later FAA approved revision. Required Instructions for Continued Airworthiness are contained in Document No. 22007-30, Revision N/C, dated December 1, 2007, or later FAA approved revision.

Limitations and Conditions: The supercharged IO-550-N engine is limited to 29.6 in Hg MAP and 2700 RPM or 310 HP. The installer must determine whether this design change is compatible with previously approved modifications. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: August 15, 2006

Date reissued: November 1, 2010

Date of issuance: December 5, 2008

Date amended:



By direction of the Administrator

Haifa Haj-Eid
(Signature)

Haifa Haj-Eid
Supervisor, Technical and Administrative
Support Staff
Los Angeles Aircraft Certification Office

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this Supplemental Type Certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

TRANSFER ENDORSEMENT

Transfer the ownership of the Supplemental Type Certificate Number _____

to *(Name of transferee)* _____

(Address of transfer) _____

(Number and street)

(City, State, and Zip code)

from *(Name of grantor) (Print or type)* _____

(Address of grantor) _____

(Number and street)

(City, State, and Zip code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor *(In ink)*: _____

United States Of America
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Supplemental Type Certificate
(Continuation Sheet)

SE10926SC

Limitations and Conditions continued:

The certification basis for this STC is the same as for the original certification basis for these models engines as defined in TCDS E3SO except for:

Title 14 Code of Federal Regulations 33 paragraphs 33.1, 33.4, 33.5, 33.7, 33.8, 33.15, 33.17, 33.39, 33.41, 33.47 which are amended by Amendment 33-20.

-END-

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.